

SECTION 31 11 00

CLEARING AND GRUBBING

PART 1 GENERAL

1.1 WORK INCLUDED

A. CLEARING AND GRUBBING consists of furnishing transportation, labor, materials, and equipment to:

1. Removal and disposal of all rubbish, debris, and other objectionable material from within the limits of the project as specified
2. Stripping the entire area within the limits of work of trees, shrubs, weeds, and other vegetative growth of any nature, and disposal of same
3. Grubbing the entire area within the limits of work of all roots and vegetative material to the full depth of the root system, and disposal of same
4. Removal of existing pavement markers, pavement markings, traffic lines and pavement legends and weeds along cracks, joints, and gutter lip.
5. Dust alleviation and control during the course of the work
6. Any required abandonment of system facilities, including cutting, capping and slurry filling of abandoned pipelines
7. Provision of all materials, equipment and apparatus not specifically mentioned herein or noted on the plans, but which are obviously necessary to complete the work specified
8. Any required salvage of existing facilities

1.2 RELATED REQUIREMENTS

A. BASIC SITE MATERIAL AND METHODS Section 02 00 01

1.3 REFERENCES

A. State of California Department of Transportation Standard Specifications (SS):

Section 4	Scope of Work
Subsection 4-1.02	Final Cleaning Up
Section 15	Existing Highway Facilities
Section 16	Clearing and Grubbing

**PART 2 - PRODUCTS
NOT USED.**

PART 3 - EXECUTION

3.1 PERFORMANCE

- A. Clearing and grubbing shall be in accordance with applicable requirements of SS Section 16, "Clearing and Grubbing," as amended below.
1. Ground cover of every nature, including trees, shrubs, weeds, and vegetation of any nature, shall be removed to the full depth of the root system
 2. Weed removal shall be accomplished by method(s) that result in complete removal of the weed. Method used must be approved by the Engineer. Surface and crack cleaning shall be accomplished by sweeping, and not by air blowers.
 3. Prior to any cutting or filling, the site shall be stripped to a sufficient depth to remove all vegetation and other deleterious materials. The minimum stripping depth shall be six inches (6"). The site shall be stripped to such greater depth, as the Engineer or the project geotechnical engineer may consider necessary to remove materials that, in their opinion, are unsatisfactory. The stripping material shall either be removed from the site or stockpiled for reuse later as topsoil where approved by the Engineer, but none of this stripped material may be used for engineered fill.
 4. Contractor shall trim overhanging limbs that may be in conflict with paving and other construction activities. Tree, roots, and bush pruning shall be performed by a certified arborist and in accordance with "Pruning Standards," published by the Western Chapter of the International Society of Arboriculture. The certified arborist shall be approved in advance by the Engineer, and all pruning shall be done as directed by the Engineer and in the presence of the Engineer. Tree limbs damaged by Contractor activities shall be trimmed by certified arborist as described above.
 5. Where trees are removed, the soils loosened by the roots shall be over-excavated at least to the bottom of the disturbed zone and to the width of the equipment.
 6. Spoil resulting from clearing, grubbing, and stripping operations shall be removed from the entire limits of work and properly disposed of by the Contractor.
 7. Materials resulting from clearing, grubbing, and stripping operations shall become the property of the Contractor, to be properly removed from the work

site and disposed of from the project site in a lawful manner, at no additional expense to the contract.

-END OF SECTION-

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